

# King County DNRP Water Quality Index

STATION **VA12A** WATER YEAR **2018**

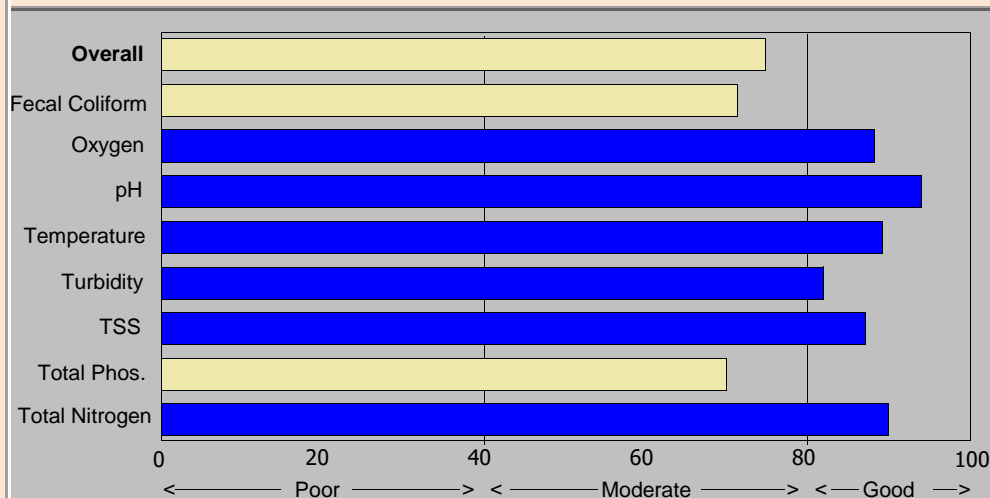
**GAUGE # 43a Shingle Mill Creek, Vashon Island**

**Overall Index 75**

Station VA12A on Shinglemill Creek is located just downstream of the SW Cedarhurst Road crossing. The creek flows from Fisher Pond on the north side of Bank Road to where it empties into Fern Cove on the northwest corner of Vashon. The Vashon-Maury Island Land Trust has acquired properties to control erosion in the drainage basin and now covers the lower third of Shinglemill Creek, its main tributary Needle creek, and much of the surrounding forested land. The creek was sampled from 2006 through 2012, and then monitoring resumed in 2014. All of Vashon-Maury Island is designated as rural and as such is outside the urban growth boundary. Shinglemill Creek is on Washington State Department of Ecology's 303(d) list, Category 5, for bioassessment scores that indicate that biological integrity is degraded.

## Annual Water Quality Index Scores

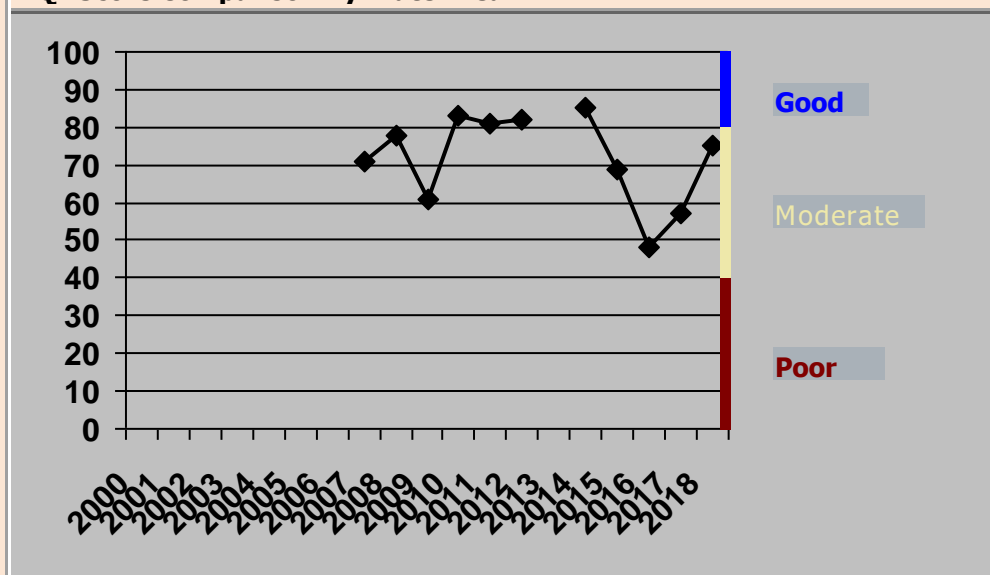
Water quality was MODERATE based on data collected 10/1/2017 to 9/30/2018.



## Monthly Scores For Water Year 2018

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
98	60	96	96	95	91	91	83	89	82	89	84

## WQI Score Comparison By Water Year



## About The Water Quality Index:

The Water Quality Index (WQI) score is a unit-less number ranging from 10 to 100: the higher the number, the higher the water quality. Scores are calculated from data collected during the monthly routine sampling. For temperature, pH, fecal coliform bacteria, turbidity, and dissolved oxygen, the index expresses results relative to levels required to maintain beneficial uses according to criteria in Washington's Water Quality Standards, WAC 173-201A. For nutrient and sediment measures where there are no standard, results are expressed relative to guidelines for this eco-region. Results from the eight parameters are aggregated over time to produce a single score for each sample station. In general, stations scoring 80 and above did not fail water quality standards or guidelines and are of "low concern", scores 40 to 80 indicate "moderate concern", and water quality at stations with scores below 40 are of "high concern". For more information about the WQI please visit <https://green2.kingcounty.gov/streamsdata/WQI.aspx>

For more information about this creek please visit our website at <http://green.kingcounty.gov/WLR/Waterres/StreamsData/streamlist.aspx>